

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently amended) A multizone air conditioning system of a motor vehicle, having, as viewed in the direction of airflow, a control element for controlling the temperature, a vaporizer and a heater which are arranged in an air guiding housing, the air guiding housing having dividing walls, ~~characterized in that~~ wherein at least one dividing element for the sealed division of the individual zones of the air conditioning system is provided on the heater ~~and/or on a supplementary heater, which~~ and wherein said dividing element interacts with components which are adjacent to contacts and overlaps at least one of the dividing walls and/or at least one of the dividing elements of a component adjacent to the heater.

2. (Previously presented) The air conditioning system as claimed in claim 1, wherein the control element is arranged in front of the heater.

3. (Previously presented) The air conditioning system as claimed in claim 1, wherein one control element is provided per zone.

4. (Previously presented) The air conditioning system as claimed in claim 1, wherein a supplementary heater is provided arranged ahead of or behind the heater.

5. (Currently amended) The air conditioning system as claimed in ~~claim 4~~ claim 4, wherein the at least one dividing element ~~is provided on~~ comprises a first dividing element on the heater and a second dividing element on the ~~the heater and/or~~ supplementary heater.

6. (Currently amended) The air conditioning system as claimed in claim 5, wherein the first dividing element is injection molded or clipped onto the heater ~~and/or~~ ~~onto the supplementary heater~~.

7. (Currently amended) The air conditioning system as claimed in claim 5, wherein the at least one dividing element bridges an undercut which is present over a central portion of the heater ~~between the network of the heater and the~~ collecting tanks of the heater.

8. (Currently amended) The air conditioning system as claimed in claim 1, wherein the at least one dividing element is of cross-shaped configuration.

9. (Currently amended) The air conditioning system as claimed in claim 1, wherein the at least one dividing element has a frame.

Claim 10 (Cancelled).

11. (New) A multizone air conditioning system of a motor vehicle comprising:

an air guiding housing having an interior and configured to guide air through the air guiding housing in an airflow direction;

a vaporizer;

a heater downstream from said vaporizer;

at least one dividing wall in the air guiding housing configured to divide an output of the heater into first and second flow paths; and

a first dividing element on the heater overlapping said dividing wall and sealingly connecting said heater to said dividing wall.

12. (New) The multizone air conditioning system as claimed in claim 11, including a second dividing element on said heater, a supplementary heater adjacent to said heater, and a third dividing element on said supplementary heater in contact with said second dividing element.

13. (New) The multizone air conditioning system as claimed in claim 11, wherein said heater comprises a PTC supplementary heater.